

most beautiful mountains at least in the eastern part of the United States. Boone Pickens was asked if he was going to put wind turbines on his ranch? He said: No, they are ugly. If they are too ugly for his ranch then they are too ugly for the Great Smoky Mountains, and they are the wrong choice for us. Solar? Yes. Underwater turbines? Yes. Biomass? Yes. There may be others, but there are good choices and there are bad choices.

The bridge to the future for clean energy means this. While we do all we can on research and development to find a way to make solar cost competitive, to find a way to create advanced biofuels, we are still going to need a lot of power. Based on what we saw in the TVA region, you could start with conservation. We use 143 percent of the national average, per person, of electricity in Tennessee. We waste a lot of electricity. If we just used the national average, that would be the same as four new nuclear plants, five coal plants the size of Bull Run and nine natural gas plants such as the ones TVA is building in Jackson. So we start with conservation.

If we are talking about fuel, the simplest and easiest thing to do on Earth Day is to recognize we could electrify half of our cars and trucks in America—that might take 20 years—but without building one single new power plant, not one nuclear plant, not one coal plant, not one windmill on a mountaintop. We don't have to do that because, in TVA's case, they have 6,000 or 7,000 megawatts of unused electricity at night when we are all asleep and the factories are not working. So plug your car in at night at cheaper rates, bring in a lot less oil from overseas, save billions of dollars. That would take care of us for the next 20 years. That would be a smart decision to make on Earth Day.

But the other thing we need to do is recognize that, if we care about clean air, and especially if we are worried about global warming, as I am, that we have to take nuclear seriously. Nuclear plants in America produce only 20 percent of our electricity but they produce 70 percent of our carbon-free, mercury-free, nitrogen-free, sulfur-free electricity. Let me say that again. They are only 20 percent of our electricity but they are 70 percent of our clean electricity. So in the Tennessee region especially, we should not be wasting money on windmills where the wind doesn't blow and it desecrates the environment. We should be spending money on making coal plants cleaner through pollution control. We know how to do that, except for carbon. We should also build more nuclear plants and retire the dirtiest coal plants. That is the smart thing to do. And we should emphasize conservation.

My point today is simply this. I think all of us want to make sure we have a stable energy future. A stable energy future means plenty of reliable, low-cost electricity so we can heat and

cool our homes and keep our jobs from going overseas. And we want to make sure it is clean. So our goals should be to produce more American energy, to make us more energy independent by electrifying our cars, to make coal clean, and to use wind and solar when it is appropriate to do that. But if we truly want to make a difference, we should build 100 new nuclear powerplants in the next 20 years, at least five or six a year, because that is the best way to have clean air. That is the best way to have low costs. And we should launch another mini-Manhattan Project and reserve a Nobel Prize for the scientist who can get rid of the carbon from existing coal plants, because coal provides half our energy. We know what to do about nitrogen, mercury, and sulfur. But we have not figured out what to do about carbon. If we did, India would also do it, China would also do it, the rest of the world would do it, and we could have low-cost energy.

I mention low cost because so often we talk about new forms of energy as if cost didn't matter. It matters to the executives who met with me yesterday from the TVA region. TVA's residential rates are low, relatively. But the industrial rates are not. If they are too high, those jobs move out of our region, maybe overseas. And last December the people in Nashville, our capital city, did not think the residential rates were so low because 10 percent of them said they were unable to pay their electric bill in December because it was too high.

The ACTING PRESIDENT pro tempore. The Senator has 2 minutes remaining.

Mr. ALEXANDER. Thank you very much, Mr. President.

So on Earth Day my suggestion is that, as we celebrate the day, we should ask what is our energy policy—Is it a national clean energy policy? Is it a national renewable energy policy? Is it a national windmill policy?—we should recognize there is a potentially dangerous gap between the renewable energy we want and the reliable low-cost energy we must have, and between now and then we must build a strong bridge to a clean energy future.

We can agree on conservation, but during that time we will need 100 new nuclear plants, we will need offshore drilling for oil, and fast, because we need the gas and we can't electrify all of our cars as quickly as we might like.

Earth Day is a day for celebration, but it is also a day for realism.

I yield the floor.

The ACTING PRESIDENT pro tempore. The Senator from Illinois is recognized.

#### GLOBAL WARMING

Mr. DURBIN. Mr. President, I thank my colleague from Tennessee for acknowledging Earth Day. All of us are conscious of the fact that, at least over the last 30 years or so, we have begun

to realize the importance of our environment and the important responsibility we have toward our environment. I am troubled by the fact that only a few weeks ago on this very Senate floor as we debated the budget resolution, amendment after amendment was offered to try to stop us from dealing with the issue of global warming. I think it is a sad commentary that still too many Senators of both political parties are looking for excuses to do nothing. We give our speeches, we acknowledge to student groups and others that we face a challenge. Yet when we have an opportunity, as we do in the Senate, to deal with that, too many of my colleagues race away. We cannot do that any longer. We owe it to future generations to make important, albeit difficult, decisions which will lead us to the point where we are resolving the challenge of global warming and climate change. These are realities. We owe nothing less to the next generation but to come up with responsible approaches to those.

The budget resolution debate of a few weeks ago was a discouraging chapter in this saga. I hope many of my colleagues will come to realize that we must accept this responsibility.

#### U.S. POLICY TOWARD CUBA

Mr. DURBIN. Mr. President, last month during the vote on the omnibus bill we heard the beginnings of a discussion on the best way to encourage change in Cuba. Shortly thereafter several of my colleagues, including Senators DORGAN, LUGAR, DODD, and ENZI spoke about their bill, the Freedom to Travel to Cuba Act, which I am pleased to cosponsor.

And last week President Obama announced an easing of U.S. policy toward Cuba—one that allows for, among other things, greater family travel and unlimited remittances to the island. These wise steps begin to undo decades of counterproductive policy toward Cuba.

The President's similarly timed visits to Mexico and the Summit of the Americas in Trinidad demonstrate a welcome and hopeful level of reengagement in the region—one in which we have many shared interests and challenges.

Yet the debate on U.S. policy toward Cuba raises many passions and heart felt concerns.

While all of us want to see a more open and democratic Cuba, the means to reach that goal are often vigorously debated.

I am under no illusions about the horrendous record of the Cuban regime regarding human rights and political freedom. The Castro government has regularly jailed those who oppose its rule or want even a semblance of political freedom. Many languish in inhuman conditions without trial or recourse.

According to the State Department's most recent Human Rights Report on